

**REMARKS**

In accordance with the foregoing, claims 36-52 have been cancelled without prejudice or disclaimer and claims 1, 7, 12, 13, 17, 21, 26-31, 33-35, 53, 55, and 57 have been amended. No new matter is being presented, and approval and entry are respectfully requested. Claims 1, 5-17, 20-31, 33-35, and 53-63 are pending and under consideration. Reconsideration is respectfully requested.

**REJECTIONS UNDER 35 U.S.C. § 112**

Claims 1, 5-17, 20-31, 33-35, 53-58, and 60-61 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement.

Claims 1, 7, 12, 13, 17, 21, 26, 27, 28, 30, 31, 33-35, 53, 55, 57, and 59 have been amended to clarify the present application.

Thus, in view of above amendment, it is respectfully submitted that rejection of independent claims 1, 7, 12, 13, 17, 21, 26, 27, 28, 29, 30, 31, 33-35, 53, 55, 57 and dependent claims 5-6, 8-11, 14-16, 20, 22-25, 54, 56, 58, and 60-61, which depend from independent claims 1, 7, 13, 17, 53, 55, 57, respectively are withdrawn.

**REJECTIONS UNDER 35 U.S.C. § 102 and § 103**

Claims 53-58 and 60 are rejected under 35 U.S.C. § 102(e) as being anticipated by Young.

Claim 53 recites, at least, "wherein the beginning time of the current program, the current time, and the terminating time of the current program are displayed in a numerical format..."(emphasis added).

Young discusses "elapsed time is indicated by a percentage calibrated time bar 72. The bar is bracketed by S for start, and F for finish,"(see col. 10, lines 32-34, and FIG. 10, item 72 of Young-emphasis added), but fails to disclose "wherein the beginning time of the current program, the current time, and the terminating time of the current program are displayed in a numerical format..."

It is respectfully submitted that Young does not teach the invention as recited in claim 53.

A significant aspect of the present application relates to disappearing a display bar after a predetermined time when a user issues a display command has elapsed.

The Examiner relies on Fig. 11 of Young to reject the claimed invention.

However, Fig. 11 of Young relied on by the Examiner explicitly discloses that a program note is appeared by pressing a select key, and then disappeared by re-pressing the select key.

However, Young merely discloses that a word "other" is only appeared if the pressed select key is not pressed again, but does not explicitly provide any descriptions the status of the program



note at the same time.

Further, the parts of the teaching of Young merely discloses a Grazing titles pop up is displayed on a screen for two seconds, but fails to teach or suggest any disclosures of the features as recited in claim 53.

Accordingly, it is respectfully submitted that Young does not teach the features as recited in independent claims 53, 55, and 57 and their dependent claims 54, 56, 58, and 60, are patentable due at least

Claims 1, 5-12, and 61 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Young in view of Russo et al. and further in view of ATSC Digital Television Standard A/53.

Claim 1 recites “automatically displaying next program information when a remaining program time reaches a preset time...”

The Examiner asserts that when the remaining time reaches zero, the next broadcast program comes on is the same as “automatically displaying next program information when a remaining program time reaches a preset time...” as recited in claim 1.

An aspect of present application is to display next program information before the time of present program termination as disclosed in FIG. 3 of present application.

Further, it appears that the Examiner confuses a program and program information as recited in claim 1.

Accordingly, it is respectfully submitted that the combination of Young, Russo et al., and ATSC Digital Television Standard A/53 does not teach or suggest the invention as recited in claim 1 and similarly in claim 12.

In addition, claims 5-6, 10-11, and 61 are patentable due at least to their depending from claim 1, as well as for the additional recitations therein.

Claims 13-17, 20, 23-25, 33, 35, 59, 62, and 63 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Young in view of ATSC Digital Television Standard A/53.

Young discusses “elapsed time is indicated by a percentage calibrated time bar 72. The bar is bracketed by S for start, and F for finish,”(see col. 10, lines 32-34, and FIG. 10, item 72 of Young-emphasis added), but fails to disclose “wherein the beginning time of the current program, the current time, and the terminating time of the current program are displayed in a numerical format...”

It is respectfully submitted that Young does not teach the invention as recited in claim 53.

A significant aspect of the present application relates to disappearing a display bar after a predetermined time when a user issues a display command has elapsed.

The Examiner relies on Fig. 11 of Young to reject the claimed invention.



However, Fig. 11 of Young relied on by the Examiner explicitly discloses that a program note is appeared by pressing a select key, and then disappeared by re-pressing the select key.

However, Young merely discloses that a word "other" is only appeared if the pressed select key is not pressed again, but does not explicitly provide any descriptions the status of the program note at the same time.

Further, the parts of the teaching of Young merely discloses a Grazing titles pop up is displayed on a screen for two seconds, but fails to teach or suggest any disclosures of the features as recited in claim 13.

Accordingly, it is respectfully submitted that the combination of Young and ATSC Digital Television Standard A/53 does not teach or suggest the invention as recited in claim 13 and similarly in claims 17, 33-35, and 59.

Claims 14-16, 20, 23-25, 62-63 are also patentable due at least to their depending from claims 13, 17, 59, respectively.

Claims 21 and 34 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Young in view of Ellis et al.(U.S. Patent No. 5,980,650) and further in view of ATSC Digital Television Standard A/53.

The Examiner asserts that when the remaining time reaches zero, the next broadcast program comes on is the same as "automatically displaying next program information of a next program on a same channel as the currently viewed program at a preset time prior to the program termination of the currently viewed program ..." as recited in claim 21.

An aspect of present application is to display next program information before the time of present program termination as disclosed in FIG. 3 of present application.

Further, it appears that the Examiner confuses a program and program information as recited in claim 21.

As noted above, Young does not teach or suggest "automatically displaying next program information of a next program on a same channel as the currently viewed program at a preset time prior to the program termination of the currently viewed program"(emphasis added) as recited in claim 21.

Accordingly, it is respectfully submitted that the combination of Young, Ellis et al., and ATSC Digital Television Standard A/53 as recited in claim 21 and similarly in claim 34.

Claims 26 and 27 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Young in view of Sony Digital Satellite Receiver SAT-A1, and further in view of ATSC Digital Television Standard A/53.



Claim 26 recites “displaying the program progress time of the currently viewed program simultaneously with the currently viewed program automatically at a preset time wherein said displaying the program progress time further comprises displaying the beginning time at a start of a display bar, the program termination time at an end of the display bar, a first percentage number, comprising a numeral, of the time elapsed and a second percentage number, comprising a numeral, of a time remaining versus the total time of the currently viewed program and the current time at a position of the display bar corresponding to a percentage of time elapsed versus a total time of the currently viewed program...”(emphasis added).

As acknowledged by the Examiner, Young merely discloses ““elapsed time is indicated by a percentage calibrated time bar 72. The bar is bracketed by S for start, and F for finish,”(see col. 10, lines 32-34, and FIG. 10, item 72 of Young-emphasis added), but fails to disclose “percentage number” as recited in claim 26.

Sony Digital Satellite Receiver SAT-A1 discusses “the DSS receiver begins to evaluate all the stations in the Master Guide, and display a status bar, similar to the following:”

Thus, Sony Digital Satellite Receiver SAT-A1 discloses the progress percentage in number of evaluation of stations in the Master Guide, but does not related to “a percentage of time elapsed versus a total time of the currently viewed program” as recited in claim 26.(emphasis added).

Accordingly, it is respectfully submitted that Young, Sony Digital Satellite Receiver SAT-A1, and ATSC Digital Television Standard A/53 does not teach or suggest the features as recited in claim 26.

In addition, claims 27-31 are also patentable due at least to the same or similar rationales as claim 1 or 26, as well as for the additional recitations therein.

## **CONCLUSION**

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.



If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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